

### **ABSTRACT OF THE DISCLOSURE**

The present invention adapts, diagnoses, optimizes, and prescribes a network-based application between a client and a host system. Some or all components of the network-based application, including configuration information may be installed on the client. The components and configuration information may be installed as the network-based application is executed. Alternatively, the components and configuration information may be installed in advance of the network-based application. To launch the network-based application, a user via the client sends an application request to the host system. The host system sends program code to the client. Upon executing the program code, the client attempts to establish a session with the host system and determines configuration information for the network-based application. Upon establishing the session and determining the configuration information, the client then launches the network-based application.

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